

# Washoe Tribe of Nevada and California

## Environmental Protection Department



April 27, 2009

Ms. Stephanie Wilson  
Region 9  
U.S. Environmental Protection Agency  
75 Hawthorne Street  
San Francisco, CA 94105

Dear Stephanie,

Enclosed please find the Washoe Tribe of Nevada and California's full application package for financial assistance under section 319h of the Clean Water Act "Base and Competitive Funding" for FY09. This will be a new agreement and we will be closing out this year. In addition the 10% waiver request and cover letter signed by the Chairman was attached to our pre-proposal.

The Washoe Tribe of Nevada and California's Nonpoint Source Assessment and Management Program were approved by the Environmental Protection Agency February 2000. We feel that the implementation of this effort is essential to the protection and enhancement of the waters on Washoe Tribal lands. The Tribal Council supports this proposal and passed Tribal Resolution 202-WTC-2008 on October 22, 2008 to support this application.

We look forward to working in partnership with EPA to protect and restore water quality, watershed condition, aquatic, and riparian habitat on tribal lands. Please feel free to call me at (775) 265-8682 if you have any questions or need additional information.

Sincerely,

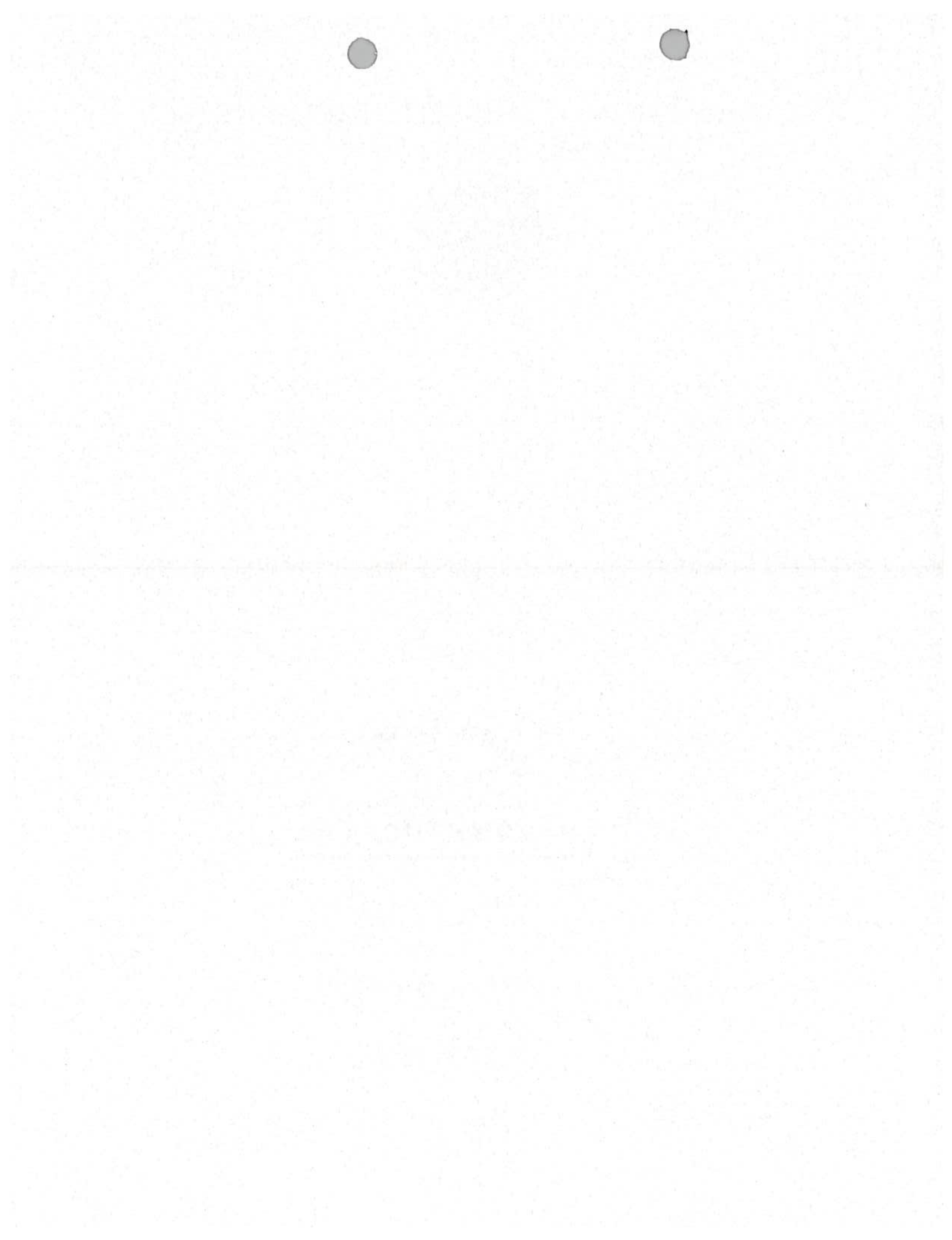
Marie Barry, Environmental Director

cc: WEPD File

Washoe Grants Office

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919 Highway 395 South, Gardnerville, Nevada 89410  
(775) 265-4191 • (775) 883-1446 • (530) 694-2339 • FAX (775) 265-3211



APPLICATION FOR  
FEDERAL ASSISTANCE Tracking Number:

2. DATE SUBMITTED: 2/27/09	Applicant Identifier
3. DATE RECEIVED BY STATE	State Application Identifier
4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier

1. TYPE OF SUBMISSION Application	Preapplication
<input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction	<input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction

5. APPLICANT INFORMATION	
Legal Name: Washoe Tribe of Nevada and California DUN: 021982913	Organizational Unit: Washoe Environmental Department
Address (give city, county, state, and zip code): 919 Highway 395 South, Gardnerville, NV 89410	Name and telephone number of the person to be contacted on matters involving this application (give area code): Marie Barry, Director 775.265.8682 Marie.barry@washotribe.us

EMPLOYER IDENTIFICATION (EIN) 88 - 0120754
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7. TYPE OF APPLICANT: (enter appropriate letter here) <u>K</u> A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District H. Independent School District I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify):
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8. TYPE OF APPLICATION: X New Continuation Revision If Revision, enter appropriate letter(s) in box(es): <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other Specify:
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10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: <u>66 - 460</u> TITLE: Non Point Source Program
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11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: Washoe Non Point Source 319h Project Stewart Ranch.
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12. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.): Washoe Reservation and Trust Lands
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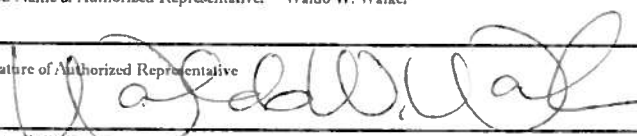
13. PROPOSED PROJECT: Start Date 10/1/09 End Date 12/31/10	14. CONGRESSIONAL DISTRICT OF: a. Applicant: CA: 14 Doolittle NV: 2 Heller b. Project (Same)
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15. Estimated Funding:	
a. Federal	\$ 180,000.00
b. Applicant	\$ 20,000.00
c. State	\$
d. Local	\$
e. Other	\$
f. Program Income	\$
g. TOTAL	\$ 200,000.00

16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS? a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESSES FOR REVIEW ON: DATE b. NO. X PROGRAM IS NOT COVERED BY E.O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW
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17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes" attach an explanation. X No
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18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.
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a. Typed Name of Authorized Representative: Waldo W. Walker	b. Title: Chairman	c. Telephone Number: 775.265.8600
d. Signature of Authorized Representative: 		e. Date Signed: 4/27/09

## BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 0348-0044

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Non Point Source	66-460	\$	\$	\$ 180,000.00	\$ 20,000.00	\$ 200,000 .00
2.						0.00
3.						0.00
4.						0.00
5. TOTALS		\$	\$	\$ 180,000.00	\$ 20,000.00	\$ 200,000 .00

## SECTION B - BUDGET CATEGORIES

6. OBJECT CLASS CATEGORIES	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) FY09 Base	(2) FY09 Watershed	(3)	(4)	
a. Personnel	11,789.00	\$ 74,561.00			\$ 86,350.00
b. Fringe Benefits	6,549.00	27,165.00			33,714.00
c. Travel	2,085.00	4,255.00			6,340.00
d. Equipment	0.00	13,425.00			13,425.00
e. Supplies	245.00	2,409.00			2,654.00
f. Contractual	9,504.00	21,005.00			30,509.00
g. Construction	0.00	0.00			0.00
h. Other	600.00	9,975.00			10,575.00
i. Total Direct Charges (sum of 6a - 6h)	30,772.00	152,795.00			183,567.00
j. Indirect Charges	2,561.00	13,872.00			16,433.00
k. TOTALS (sum of 6i and 6j)	\$ 33,333 .00	\$ 166,667.00			\$ 200,000.00
7. Program Income	\$	\$	\$	\$	\$ 0.00

**SECTION C - NON-FEDERAL RESOURCES**

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8. Washoe Tribe of Nevada & California	\$ 20,000.00	\$	\$ .00	\$ 20,000.00
9.				0.00
10.				0.00
11.				0.00
12. TOTAL (sum of lines 8 and 11)	\$ 20,000.00	\$ 0.00	\$ .00	\$ 20,000.00

**SECTION D - FORECASTED CASH NEEDS**

13. Federal	(Total for 1st Year)	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
	180,000.00	45,000.00	65,000.00	50,000.00	20,000.00
14. NonFederal	20,000.00	1,000.00	15,000.00	3,000.00	1,000.00
15. TOTAL (sum of lines 13 and 14)	200,000.00	46,000.00	80,000.00	53,000.00	21,000.00

**SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT**

(a) Grant Program	FUTURE FUNDING PERIODS (Years)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16. Non Point Source	300,000.00	300,000.00	300,000.00	300,000.00
17.				
18.				
19.				
20. TOTALS (sum of lines 16 - 19)	300,000.00	300,000.00	300,000.00	300,000.00

**SECTION F - OTHER BUDGET INFORMATION**  
(Attach additional sheets if Necessary)

21. Direct Charges: \$ 183,567.00	22. Indirect Charges: \$ 16,433.00
23. Remarks: Approved indirect cost rate is in EPA file.	

**BUDGET CATEGORIES INFORMATION (FROM SF424A, SECTION B TOTALS)**

Enter Total Program Costs, i.e., Federal and Non-Federal Funds Combined

(Attach Separate Sheet(s) if necessary)

**Object Class Categories**

a. Personnel: (Program Staffing - include and indicate vacant positions)	Number in Position Class	Annual Salary Rate	Work Years	Personnel Costs
Position Title				
(1)	(2)	(3)	(4)	(5)
Environmental Director	1	92,040.00	.01	10,620.00
Environmental Coordinator	1	69,160.00	.01	6,318.00
Environmental Specialist II	6	48,630.40	.11	31,563.00
GIS Specialist	1	48,630.40	.01	351.00
Tribal Historic Preservation Officer	1	76,086.40	.01	732.00
Washoe Conservation Crew	3-5	31,324.80		22,590.00
Environmental Specialist I	3	36,545.60		8,785.00
Administrative Assistant I	2	40,185.60		2,898.00
Washoe Utility Management Authority Manager	1	69,160.00	.04	2,261.00
WUMA Technician II	3	44,210.00	.02	232.00
<b>PERSONNEL CATEGORY TOTALS</b>				<b>86,350.00</b>
<b>b. FRINGE BENEFITS: TOTAL</b>				<b>33,714.00</b>
<b>c. TRAVEL: TOTAL (Itemize below - See Sample pages)</b>				<b>6,340.00</b>
Local travel: \$.58.5mi x 4,000 = \$2,340.00				
Non Local: Air fare/motel/conf. fees/per diem = \$3,500				
Fuel for equipment: 150 gal x \$3.33 = \$500				



# BUDGET CATEGORIES INFORMATION (FROM SF424A, SECTION B TOTALS)

Enter Total Program Costs, i.e., Federal and Non-Federal Funds Combined

(Attach Separate Sheet(s) if necessary)

## Object Class Categories

### d. Equipment:

(1) List each item costing \$5,000 or more to be purchased for this project;

SUB-TOTAL

(2) List items costing less than \$5,000. You may list the items by groups, as appropriate.

Trailer to haul materials, equipment, and tools @ \$25/day x 30 days = \$750, 2 quads and 4x4 vehicle use for project mobilization 6 wks @ \$350/wk = \$4,200, dump truck @ \$750/wk x 3 wks = \$2,250, backhoe @ \$1,450/wk x 3 wks = \$4,350, misc. tools equip. use \$1,875.

13,425.00

SUB-TOTAL

13,425.00

COMBINED EQUIPMENT TOTAL

### e. Supplies: List by groups, as appropriate.

General Office Supplies: \$53.21/mo x 14mo

745.00

Field Supplies:

1,909.00

SUPPLIES TOTAL

2,654.00

AUTHORIZED FOR LOCAL REPRODUCTION

Prescribed by OMB Circular A-102

## BUDGET CATEGORIES INFORMATION (FROM SF424A, SECTION B TOTALS)

Enter Total Program Costs, i.e., Federal and Non-Federal Funds Combined

(Attach Separate Sheet(s) if necessary)

## Object Class Categories

f.	CONTRACTUAL: List each planned contract separately, type of services to be procured, proposed procurement method (i.e. small purchase, formal advertising, competitive negotiations or non-competitive negotiations) and the estimated cost. Also, please indicate if the proposed contract performance period will go beyond the budget period of assistance for which this application is submitted.	
	Contractor for well closure	\$ 9,504.00
	Contractor for engineering design, large rock and other materials needed to complete NPS projects	11,005.00
	Equipment Rental	10,000.00
	COMBINED CONTRACTUAL TOTAL	\$ 30,509.00
g.	CONSTRUCTION (N/A)	
h.	OTHER: Explain by major categories any items not included in above standard budget categories. <u>Caution:</u> Do not include or proposed as a direct project cost, any cost that is indirect in nature (see OMB Circular A-87) or is included in the indirect cost pool on which the indirect cost rate (item j) is based.	
	Communication/Maintenance: (cell phone, internet, landline, elect., maintenance etc.)	2,200.00
	BMP materials: (piping, matting, seeds, plants, stakes, separator etc.)	6,000.00
	Washoe Tribe: (cobble rock @ \$20/yard x 80 yds = \$1,600, woodchips @ \$15/yard x 15 yds = \$375, willow @ \$1.00/ft x 350/ft = \$350.00)	2,375.00
	OTHER TOTAL	\$ 10,575.00
i.	TOTAL DIRECT CHARGES: (Sum of Items a. through h.)	\$ 183,567.00
j.	INDIRECT COSTS: (Attach a copy of your latest indirect cost agreement)	\$ 16,433.00
k.	TOTAL PROPOSED PROGRAM COSTS (Sum of Items i. and j.)	
	SHARE: FEDERAL 90 % GRANTEE 10 %	\$ 200,000.00



**Applicant Name and Address**

Washoe Tribe of Nevada and California  
919 Highway 395 South  
Gardnerville, NV 89410

**Contact Person**

Marie Barry, Environmental Director  
(775) 265-8682 Fax: (775) 265-3611  
Email: marie.barry@washoetribe.us

**Introduction/Background**

The Washoe Tribe has a long commitment to the restoration of Tribal lands and the aboriginal homelands. The Washoe Tribe has established several laws to protect the environment of Tribal lands, including a Planning Development law, Land Use Management Plan, Title 19-Water Code, and Title 17-Environmental Protection Code. In addition, the Washoe Environmental Protection Department (WEPD) has completed with approval from the Tribal Council and the Environmental Protection Agency (EPA) the Nonpoint Source Assessment and Management Program, the Sampling and Analysis Plan for the Water Quality Monitoring Program, and the Quality Assurance Project Plan. Currently, WEPD is working on Water Quality Standards and 301/401 TAS application. The Tribe has joined forces with federal, state, and local governments to protect the Carson River Watershed environment in areas such as water quality, air quality, bank stabilization, and wildlife habitat improvement. WEPD has also worked with Tribal elders and children on the restoration and recording of the knowledge base of traditional and customary stewardship and practices and incorporate native practices and vegetation in projects.

The Washoe Tribe has been awarded NPS 319h grant funding since 2000. WEPD through the NPS projects has thus far implemented Phases I - III of a multiple phased project at Stewart Ranch, Phases 1 – 11 at Stewart Community, Clear Creek, Carson Community Waterfall Fire Erosion Control Projects, and Stormwater Improvement Projects within the Carson River and Clear Creek Watersheds in Nevada. Washoe NPS projects have resulted in over 5,000 vertical feet of riverbank stabilization, six alternative water sites for livestock, development of a cattle grazing plan, monitoring components, and held education and outreach events, installation of 3 miles of fencing along the Carson River corridor, bioengineering training, water quality monitoring, wellhead protection, ranching BMP measures, and several erosion and stormwater control projects. The WEPD received the 2004 Environmental Award for Outstanding Achievement from EPA IX for NPS efforts. The NPS Program is the most well-known Program within WEPD because of the immediate results and during implementation tribal members are known to show up ask questions and sometime assist in implementation. Examples of some results from our projects include sedimentation loading reductions new vegetative vigor or barrier, fencing around wellheads has protected the drinking water sources from potential contamination, stormwater impoundments and improvements have assisted with reduction of urban runoff pollutants and sedimentation, several demonstration projects have been done at events such as Earth Day to show members how to improve NPS issues around their homes.

The Tribe's Nonpoint Source restoration efforts with NPS FY09 Base funding continues to focus on wellhead protection. WEPD will contract to have abandoned wells properly sealed with WUMA staff assistance. All wellheads are surveyed for possible contamination sources (PCS) on a monthly basis so that issues are brought to the attention of managers and community leaders. The proposed implemented protects will assist in efforts towards protecting the Tribe's water resources as outlined in the Washoe Tribe of Nevada & California's Nonpoint Source Assessment and Management Program. The goals, objectives, outputs, results, timelines, and costs are detailed in the narrative work plan and detailed budget (attached).



**Washoe Tribe of Nevada & California**  
**EPA Nonpoint Source Program FY09**  
**Work Plan A Base**  
**October 1, 2009 through December 31, 2010**

Description of Components & Activities	Deliverables/Outputs & Target Dates	Dates		Estimated person/yr (2080 hrs/yr)	Estimated Cost *
		Start	End		
<b>Component 1. Summarize Progress; Program Annual Evaluation/Fiscal Admin.</b>  <i>Purpose and Need:</i> Progress reports are necessary to evaluate the effectiveness of our NPS Program. The Tribe is required to submit quarterly progress reports to the EPA and jointly evaluate grant accomplishments with the EPA Project Officer. In addition Washoe Environmental Protection Department (WEPD) is required to submit monthly progress reports to the Tribal Council. As a NPS Program recipient, the Tribe is required to adhere to administrative requirements identified in 40 CFR Part 31 and OMB Circular A-87.  <i>Goals and Objectives:</i> Meet federal administrative and reporting requirements under the NPS Program. The objective is to keep the Tribe and EPA informed of the WEPD's NPS program accomplishments, expenditures, challenges, and activities.  <i>Approach/Responsibilities:</i> The WEPD will submit monthly reports to the Tribal Council and quarterly reports to the EPA. The Tribe's fourth quarter "final" report will assess the progress and accomplishments for the entire year. The EPA Project Officer will review WEPD quarterly reports and will provide a written evaluation "end of year report" of WEPD progress under the NPS grant. A draft of the EPA Project Officer's evaluation will be submitted to the Environmental Director for review prior to being finalized and sent to the Tribal Chair. The WEPD will submit information on this program into the Environmental Results Reporting Tool which was developed to meet the Government Performance and Results Act, which will assist in assessing program performance.  Quarterly reports will contain the following information: <ul style="list-style-type: none"> <li>• A discussion of accomplishments as measured against the work plan commitments and anticipated environmental outputs and outcomes, for each work plan task.</li> <li>• A discussion of the cumulative effectiveness of the work performed under all work plan components.</li> <li>• A discussion of existing and potential problem areas.</li> <li>• Suggestions for improvement, including, where feasible, schedules for making improvements.</li> <li>• Status of expenditures (cumulative) for reporting period and explanations of cost overruns/under-runs if applicable.</li> </ul> <i>Environmental Outcomes/Results:</i> This task will keep WEPD and the Tribe in compliance with federal reporting requirements and evaluate performance under this agreement.	1. Quarterly Reports to EPA (12/31/09, 3/31/10, 6/30/10, 9/30/10)  2. Final Report (Annual Report) (12/31/10 (90 days after end date)  3. Tribal Council Reports are due the first week of every month. Reports are available upon request by EPA Project Officer.  4. Financial Status Report (quarterly and 90 days after end date)  5. MBE/WBE (10/30/09, 10/30/10 and 90 days after end date)	10/1/09	12/31/10	PD: \$44.25 x 18/hr PC: \$33.25 x 5/hr ES II: \$23.38 x 83/hr GS: \$23.38 x 9/hr F/T/O/I:  Total hours: 115	\$ 797 \$ 166 \$1,941 \$ 210 \$2,837  Total: \$ 5,741

\*Program Director = PD  
Program Coordinator = PC  
Environmental Specialist II = ES II  
GIS Specialist = GS  
Contractor = C

S /F//O/E= Supplies/Fringe/Other, Equipment, and Indirect  
AA = Administrative Assistant  
WM = WUMA Manager  
WT = WUMA Tech II

**Washoe Tribe of Nevada & California  
EPA Nonpoint Source Program FY09  
Work Plan A Base  
October 1, 2009 through December 31, 2010**

Description of Components & Activities	Deliverables/Outputs & Target Dates	Start	Dates End	Estimated person/yr (2080 hrs/yr)	Estimated Cost *
<b>Component 2. Program Capacity-Building and Coordination</b>  <i>Purpose and Need:</i> To coordinate and schedule WEPD NPS program tasks and activities with other environmental program activities for long and short term planning.  <i>Goals and objectives:</i> To meet the goal of the NPS Program to assist tribes in developing the capacity to manage their own NPS Programs and to develop and implement BMP measures to minimize impacts to water resources. In addition to educating the tribal community on the importance of water quality protection and NPS Program.  <i>Approach/Responsibilities:</i> <ul style="list-style-type: none"><li>The WEPD Director and Coordinator will schedule and coordinate program activities. The WEPD Director and Coordinator will hire/train staff, hold staff meetings, and maintain the administrative record with the Tribal Finance Department.</li><li>The WEPD staff will attend the Nevada Tribal managers meetings and other meetings regarding NPS. WEPD staff will evaluate and assist with recommendations on local stormwater issues that are impacting Tribal resources (e.g. Clear Creek, Sun Ridge, and Topsy Lane areas) In addition staff will assist other NV Tribes with NPS technical assistance. The WEPD Administrative Assistant will assist with arranging, travel, training, and record keeping of program activities.</li><li>The WEPD Director and Coordinator will research and draft environmental grant proposals to assist with meeting the goals and objectives.</li><li>WEPD staff will attend NPS workshops and trainings related to implementation. WEPD staff will complete NPS educational activities within the four tribal communities and other events such as Earth Day and Washoe on the River Day.</li></ul> <i>Environmental Outcomes/Results:</i> This task will assist in building Tribal capacity and coordination of WEPD program activities and educate community members regarding NPS Program and issues impacting tribal lands.	<ol style="list-style-type: none"><li>Status of activities will be summarized in quarterly reports.</li><li>List of trainings and meeting calendars will be provided with quarterly reports.</li><li>Copies of presentations, and developed educational materials will be provided quarterly.</li></ol>	10/1/09	12/31/10	PD: \$44.25 x 10/hr PC: \$33.25 x 20/hr ES II: \$23.38 x 83/hr GS: \$23.38 x 3/hr F/T/O/I:  Total hours: 116	\$ 443 \$ 665 \$1,941 \$ 70 \$2,837  Total: \$5,956

*Program Director = PD	S /F//O/E= Supplies/Fringe/Other, Equipment, and Indirect
Program Coordinator = PC	AA = Administrative Assistant
Environmental Specialist II = ES II	WM = WUMA Manager
GIS Specialist = GS	WT = WUMA Tech II
Contractor = C	

**Washoe Tribe of Nevada & California  
EPA Nonpoint Source Program FY09  
Work Plan A Base  
October 1, 2009 through December 31, 2010**

Description of Components & Activities	Deliverables/Outputs & Target Dates	Start Dates End	Estimated person/yr (2080 hrs/yr)	Estimated Cost *
<p><b>Component 3. Implement Wellhead Protection BMP (10-12)</b></p> <p><i>Purpose and Need:</i> To protect groundwater resources from pollution WEPD has identified 2 abandoned wells in Woodfords Community as potential contaminant sources near Well Head Protection Areas (WHPA), that need to be properly sealed and closed.</p> <p><i>Goals and objectives:</i> The goal is to reduce potential contaminant sources from Washoe Community WHPA and protect groundwater resources by properly closing two abandoned wells.</p> <p><i>Approach/Responsibilities:</i></p> <ul style="list-style-type: none"> <li>The Environmental Specialist and ES II will review well records and research the best closure procedure to implement on the Woodfords abandoned wells identified as PCS within the WHPA. ESII will develop closer plans and draft RFP for contractor. The Director and Coordinator will review and finalize the RFP and will send to potential contractors and assist in reviewing quotes for services and finalizing the contract with the Legal staff.</li> <li>ES II will oversee the contractor throughout the contract and will draft a final report. The WEPD staff will coordinate with the Washoe Utilities Management Authority (WUMA) to complete the project and continue evaluating water quality data obtained to meet the requirements under SDWA prior and after the well closures and fencing installations for 7 sites that were fenced in previous NPS efforts to protect Community drinking water sources and continue evaluations on Potential Contaminant Sources within the Well Head Protection Areas.</li> <li>The WUMA will conduct monthly water sampling as required under the Safe Drinking Water Act for public water systems and will provide data to WEPD to evaluate the success of the past wellhead protection NPS projects. The GIS Specialist will assist with GPS and reporting.</li> </ul> <p><i>Environmental Outcomes/Result:</i> Reporting on BMP (10-12) Wellhead Protection efforts and identification of any new potential contaminant sources (PCS). Closure of two PCS sites in WHPA and protect groundwater resources.</p>	<p>1. Status of activities will be summarized in quarterly reports.</p> <p>2. Summary of findings on implementation of BMP (10-12) due 12/31/10 "final" report.</p>	<p>10/1/09                      9/30/10</p> <p>10/1/09                      12/31/10</p>	<p>PD: \$44.25 x 12/hr PC: \$33.25 x 15/hr ES II: \$23.38 x 83/hr GS: \$23.38 x 3/hr WUMA In-Kind Match: C F/T/O/I:</p> <p>Total hours:              113</p>	<p>\$ 531 \$ 499 \$1,941 \$70 (\$3,333) \$12,192 \$3,140</p> <p>Total: \$ 21,636</p> <p>Federal Cost: \$30,000 In-Kind Match: \$ 3,333 <u>Total Project Cost:</u> <u>\$33,333</u></p>

\*Program Director = PD  
Program Coordinator = PC  
Environmental Specialist II = ES II  
GIS Specialist = GS  
Contractor = C

S/F//O/E= Supplies/Fringe/Other, Equipment, and Indirect  
AA = Administrative Assistant  
WM = WUMA Manager  
WT = WUMA Tech II





Washoe Tribe of Nevada and California  
EPA NPS FY09 Base  
Budget

LINE ITEM	CALCULATION	EPA REQUEST	INKIND MATCH
<b>Personnel</b>			
Environmental Department Director	\$44.26/hour x 40	1,770	
Environmental Coordinator	\$33.25/hour x 40	1,330	
GIS Specialist	\$23.38/hour x 15	351	
1 FTE Environmental Specialist II	\$23.38/hour x 250	5,845	
Washoe Tribe Task 3 Tech Assistance	Washoe Utility Management Authority Manager \$33.25 x 68hr and Tech. II \$21.25 x 10.92 hr		2,493
<b>Subtotal Personnel</b>		9,296	2,493
<b>Fringe Benefits</b>			
FICA	0.0765	711	191
SUTA	0.018	167	45
SIIS	0.0221	205	55
Health Insurance	1FT @ \$523.00mo x 6mo	3,138	192
Liability Insurance	\$40/mo x 6	240	
Vacation Liability	.06 of salaries	1,046	
Retirement Plan	.06 of salaries	558	
<b>Subtotal Fringe</b>		6,066	483
<b>Subtotal Personnel &amp; Fringe</b>		15,362	2,976
<b>Travel</b>			
Non Local Travel	1 flight/per d/rental car/motel	1,500	
Travel (local)	1,000 miles x \$.585	585	
<b>Subtotal Travel</b>		2,085	
<b>Supplies</b>			
Office Supplies	general office supplies	245	
<b>Subtotal supplies</b>		245	
<b>Contractual</b>			
Contractor for well closure		9,504	
<b>Subtotal Contractual</b>		9,504	
<b>Other</b>			
Communications and maintenance	phones,elec, internet, postage etc.	600	
<b>Subtotal other</b>		600	
<b>Total Direct Costs</b>		27,796	2,976
Indirect costs @12.05% minus contractual and equipment		2,204	357
<b>Total Project Costs</b>		30,000	3,333



# **COMPETITIVE WORKPLAN**

**NPS Watershed Protection Within the  
Washoe Tribe of Nevada and California Lands  
Under the EPA CWA Section 319(h)**

**NPS Floodplain Conservation, Agricultural Pollution Reduction and Bank  
Stabilization Projects for Stewart Ranch, Nevada**

**FY2009**

***Prepared for:***

U.S. Environmental Protection Agency  
Region 9, Water Division  
75 Hawthorne Street  
San Francisco, CA 94105

***Prepared by:***

Marie Barry, Environmental Director  
Washoe Environmental Protection Department  
919 U.S. Highway 395 South  
Gardnerville, NV 89410

Phone: (775) 265-8682  
Email: [marie.barry@washoetribe.us](mailto:marie.barry@washoetribe.us)

***Of the:***

**Washoe Tribe of Nevada and California**

## Table of Contents

1.0	INTRODUCTION	
1.1	Proposal Purposes	3
1.2	Background Statement	4
1.3	NPS Subcategories and Pollutants/Threats	5
1.4	Project Goals and Objectives	6
1.5	Measures to be Implemented and General Approach	10
2.0	WORK PLAN COMMITMENTS	
2.1	Program Annual Evaluation/Program Fiscal Admin	11
2.2	Program Capacity Building and Coordination	12
2.3	“On-the-Ground” Planning & Implementation	13
3.0	MANAGEMENT	
3.1	Organization/Staffing	15
3.2	Implementation and Schedule	15
3.3	Environmental. Results Past Performance	15
4.0	BUDGET NARRATIVE	
4.1	Personnel	16
4.2	Fringe Benefits	17
4.3	Operating Costs/Travel	17
4.4	Contractual	17
4.5	Equipment	17
4.6	Supplies	17
4.7	Other	17
4.8	Total Direct Costs	18
4.9	Indirect Costs	18
4.10	In-Kind Costs	18
4.11	Total Program Costs	18
	MAPS	
	Map 1 EPA NPS Watershed Project FY09, Stewart Ranch	20
	Map 2 EPA NPS Watershed Project FY09, Stewart Ranch, Close up	21
	TABLES	
	Line Item Budget	23
	APPENDIX A: Work Plan	attached
	APPENDIX B: Supporting Documentation	attached



Headcut impacting meadow function at Stewart Ranch

## **1.0 INTRODUCTION**

### **1.1 Proposal Purposes**

The Washoe Tribe of Nevada and California is submitting the following proposal in response to the EPA FY09 Request for Proposals from Indian Tribes and Intertribal Consortia for Nonpoint Source Management Grants Under Clean Water Act (CWA) Section 319(h). The Washoe Tribe is eligible to compete for the program and competitive Watershed funding in that:

- EPA has approved the Washoe Nonpoint Source Assessment and Management Program (2000).
- EPA has granted approval to the Washoe Tribe pursuant to CWA Section 518 ("Treatment-as-a-State") to administer the Nonpoint Source (NPS) Pollution Program.

- EPA has granted approval of the *Carson River Stewardship Plan* (CRSP) includes the 9 Components of a Watershed Plan which EPA requires for proposed watershed NPS projects (refer to Appendix C).
- The proposed project area is within Tribal “reservation” lands (refer to Maps 1 and 2: Washoe Stewart Ranch Parcel).

The proposed 455 acre project area aims to reduce NPS pollution caused by flooding; livestock and agricultural activities at Stewart Ranch which includes a portion of both the Carson River and Jacks Valley Creek Watersheds (refer to Maps 1 and 2). Specifically, the project strives to reduce sediment and nutrient loading and improve streambank stability and wetland/meadow function. The project area was severely impacted from the 1997 and 2006 flood events that caused bank failures, erosion and several headcuts. The Tribe utilizes the Stewart Ranch as part of their agricultural economic business, recreation, hunting/fishing, gathering, and the hot springs are utilized by Tribal members for their special healing ability.

The proposed project falls within the EPA’s 2006-2011 Strategic Plan in advancing the protection and improvement of water quality support of Goal 2 (Clean and Safe Water), Objective 2.2 (Protect Water Quality), Sub-objective 2.2.1 (Protect and Improve Water Quality on a Watershed Basis).

Reduction of the NPS pollutants will be achieved through implementation of NPS measures utilizing several Best Management Practices (BMP) such as:

- Installation of rock check dams and reshaping on 12 (2-4 vertical foot) headcuts as erosion and sediment control measures
- Installation of bioengineering practices on 66 acres to stabilize and improve the hydrological function of meadow and wetlands
- Streambank stabilization along approximately 1.6 miles of Jacks Valley Creek
- Installation of 2,460 feet of fencing

The proposed implemented protects will assist in efforts towards restoring water quality, watershed condition, and aquatic and riparian habitat on tribal lands as outlined in the Washoe Tribe of Nevada & California's Nonpoint Source Assessment and Management Program (2000) and CRSP.

## 1.2 Background Statement

The Carson River Watershed (CRW) is on the Nevada 303d list for exceeding impairments of phosphorus, sediment, and turbidity. The CRW is one of the EPA's targeted hydrologic unit areas. The CRW is also one of the 12-targeted areas on the National Clean Water Action Plan for coordinated restoration demonstration watersheds. The WEPD completed a Unified Watershed Assessment (UWA), which listed the Middle Carson as a Category 1, and Priority 1. Watershed. The UWA also lists and ranks



tributaries, which influence the main watersheds. The proposed projects are near the confluence of Jacks Valley Creek and the Middle Fork of the Carson River located at the Washoe Stewart Ranch Parcel, Douglas County, Nevada. The stakeholders within the CRW have completed several plans, to name a few *Carson River Master Plan (2001)*, *Fluvial Geomorphic Assessment of the Carson River with Implications for River Management (1996)*, *Upper Carson River Watershed Stream Corridor Condition Assessment (2004)* and the *Carson River Stewardship Plan (2007)*. The *Carson River Stewardship Plan (CRSP)* includes the 9 Components of a Watershed Plan which EPA requires for proposed watershed NPS projects (refer to email attachment). Implementation of the proposed projects follow recommended activities within the CRSP and the Tribe's NPS Assessment Report and Management Program.

The Trust land in Jacks Valley and northern Carson Valley known as the Stewart Ranch was formerly operated by the Bureau of Indian Affairs as part of the Stewart Indian School. A majority of the over 2,000 acres of land is well-suited for agriculture, as 60 percent of the Ranch is within the Carson River's 100-year flood-plain, and already includes intensive agricultural development. The Washoe have been running the ranching operation since the mid 1980's with limited success due to poor range conditions and decreased water resources.

### 1.3 NPS Subcategories and Pollutants/Threats

The Washoe NPS program utilizes the Implementation of the NPS Assessment Report and Management Program along with the CRSP and other planning documents that identify areas of concern such as the Stewart Ranch and guidance in addressing NPS pollutants (stream bank stabilization, sediment loading, elevated bacteria and water temperatures etc.) that impact water resources. The following NPS Categories with the associated subcategories and pollutant/threats for the proposed projects follow recommended activities within both plans.

<b>NPS Categories</b>	<b>NPS Subcategory</b>	<b>BMP</b>
Habitat Modification	Bank Modification/Destabilization	Streambank Protection and Stabilization
Floodplain Conservation	Loss of natural function	Erosion and Sediment Controls
Agriculture	Pasture/Rangeland Management	Rangeland Improvements

NPS pollution caused by flooding, agricultural activities, and development are major contributors of NPS pollution in the watershed. Water quality monitoring is completed throughout the watershed through a cooperative effort of stakeholders. The WEPD conducts quarterly surface water sampling through EPA Clean Water Act 106 funding on waters located on tribal lands. Two surface water sample sites are within the proposed

*NPS FY09 Competitive Grant Work Plan* *Page 5 of 24*  
*NPS Floodplain Conservation, Agricultural Pollution Reduction and Bank Stabilization Projects for Stewart Ranch, Nevada*

project area and two locations south west. Parameter results over the past two years have ranged from 112 -319 for total dissolved solids (TDS), TKN ranges equal 0.4 – 1.1, turbidity (NTU) have ranged from 1.9 – 14. These results show higher levels during high runoff periods and low water conditions.

#### **1.4 Project Goals and Objectives**

*The primary goal of the Washoe NPS Program is to identify, control, and abate the impacts of NPS pollution on the quality of the Tribe's water resources. This goal will provide for the beneficial use of the surface and ground water resources. Water quality, riparian and watershed condition must be managed to provide the opportunity for the Tribe to exercise beneficial and traditional uses.*

The proposed 455 acre project aims to reduce NPS pollution caused by flooding, livestock and agricultural activities at Stewart Ranch which includes a portion of both the Carson River and Jacks Valley Creek Watersheds. Specifically, the project strives to reduce sediment and nutrient loading and improve streambank stability and wetland/meadow function. The project area was severely impacted from the 1997 and 2006 flood events that caused bank failures, erosion and several headcuts.

##### **Goal: Reduce excessive sediment transport**

Activities (BMPs):

1. Erosion and Sediment Controls
2. Slope Stabilization
3. Stream Protection and Stabilization

##### **Goal: Reduce Nutrient Contamination**

Activities (BMPs):

1. Range Improvements

##### **Project Objectives:**

- Restore and protect impaired sites impacted by NPS pollution
- Track progress through program evaluation and fiscal administration
- Program capacity building and project coordination
- Implement “on-the-ground” projects.
- Monitor success of implanted projects

The Work Plan (Appendix A) provides the description of components and activities, outputs and target dates, estimated staff hours and costs associated with completing the proposed project.



**Stable drainage grassy waterway (Desired Condition) WEPD08 Stewart Ranch**



**Stable culvert outflow area (Desired Condition)**





**Stabilized area groundwater table has subsided some-evidenced by the sage brush vegetation.  
(Desired Condition)**



**Channel at grade with rock (old fix or natural) stable site (Desired Condition)**





**Severe headcut impacting Jacks Valley Creek  
(Erosion/sediment controls and vegetative measures needed)**







**Culvert outflow near Jacks Valley Road headcuts (Erosion and Sediment Controls needed)**



**Drainage gullies formed from headcut causing dewatering of meadow has transformed vegetation to dry sage brush community. (Erosion and Sediment Controls needed)**

### **1.5 Measures to be Implemented and General Approach**

WEPD will be the lead Tribal department organizing, implementing, and administering the program. The WEPD Director and Coordinator will oversee the WEPD NPS lead staff member assigned to the project. The NPS lead is responsible for implementation and staffing coordination during the field season. Monthly updates will be provided to the Tribal Council. The NPS lead is responsible for coordinating the project quarterly reporting with WEPD staff including water resources for surface water quality monitoring data. The Director is responsible for administrative oversight and being a liaison between tribal and non tribal entities. The Tribal Financial Department will be responsible for submitting required financial status reports to the EPA.



The activities will be coordinated with the other tribal departments, Ranch Manager, the 4 Tribal Communities, and local agencies including state, federal, USDA Natural Resource Conservation Service (NRCS), Western Nevada Resource Conservation & Development Inc. (WNRC&D), Carson Valley Conservation District, Upper Carson River Management Group, Nevada Department of Transportation, and Tribal Youth programs.

## **2.0 WORK PLAN COMMITMENTS**

### **2.1 Summarize Progress; Program Annual Evaluation/Program Fiscal Admin**

*Purpose and Need:* Progress reports are necessary to evaluate the effectiveness of our NPS Program. The Tribe is required to submit quarterly progress reports to the EPA and jointly evaluate grant accomplishments with the EPA Project Officer. Washoe Environmental Protection Department (WEPD) is required to submit monthly progress reports to the Tribal Council. In addition, as a NPS grantee, the Tribe is required to adhere to administrative requirements identified in 40 CFR Part 31 and OMB Circular A-87.

*Goals and Objectives:* To keep the Tribe and EPA informed of WEPD accomplishments, expenditures, challenges, and activities and maintain compliance with administrative requirements.

*Approach/Responsibilities:* The WEPD will submit monthly reports to the Tribal Council and quarterly reports to the EPA. The Tribe's fourth quarter "year end" report will assess the progress and accomplishments for the entire year. The EPA Project Officer will review WEPD quarterly reports and will provide a written evaluation "final report" of WEPD progress under the NPS agreement. A draft of the EPA Project Officer's evaluation will be submitted to the Environmental Director for review prior to being finalized and sent to the Tribal Chair. The WEPD will submit information on the Environmental Results Reporting Tool which meets the Government Performance and Results Act, which will assist in assessing program performance.

Quarterly reports will contain the following information:

- A discussion of accomplishments as measured against the work plan commitments and anticipated environmental outputs and outcomes, for each work plan task.
- A discussion of the cumulative effectiveness of the work performed under all work plan components.
- A discussion of existing and potential problem areas.
- Suggestions for improvement, including, where feasible, schedules for making improvements.
- Status of expenditures (cumulative) for reporting period and explanations of cost overruns/under-runs if applicable.

**Environmental Outcomes/Results:** This task will keep WEPD and the Tribe in compliance with 40 CFT 31.40, 31.41, 35.507, 35.515, and 35.638 federal reporting

**Output/Deliverables & Target Dates**

1. Quarterly Reports to EPA (12/31/09, 3/31/10, 6/30/10 and 9/30/10)
2. Final Report (Annual Report) (12/31/10)
3. Tribal Council Reports are due the first week of every month. Reports are available upon request by EPA Project Officer.
4. The EPA Project Officer can evaluate the ERRT upon request after FY09 3/31/10.
5. Financial Status Report (submitted quarterly by the Tribal Finance Dept. Final FSR will be submitted 90 days after end date 12/31/10).
6. MBE/WBE (10/30/09, 10/30/10 and 90 days after end date 12/31/10)

**Estimated Cost:** \$ 26,749

## **2.2 Program Capacity-Building and Coordination**

**Purpose and Need:** To coordinate and schedule WEPD NPS program tasks and activities with other environmental program activities for long and short term planning. In addition to providing educational information to Tribal members on NPS Program and implementation.

**Goals and objectives:** To meet the goal of the NPS Program to assist tribes in developing the capacity to manage their own NPS Programs and to develop and implement BMP measures to minimize impacts to water resources. In addition to providing NPS educational information on BMP implementation to protect water resources.

**Approach/Responsibilities:** The WEPD Director and Coordinator will schedule and coordinate program activities. The WEPD Director and Coordinator will hire/train staff, hold staff meetings, draft RFPs and develop contracts as necessary. The Tribe's General Council, Administrator, Finance Director, and Secretary/Treasurer will review and make any modifications on contracts. The WEPD staff will attend Tribal managers meetings, and other meetings related to NPS. The WEPD Administrative Assistant will assist with arranging, travel, training, and record keeping of program activities. The WEPD Director and Coordinator will research and draft environmental grant proposals to assist with meeting the goals and objectives. The ES II NPS lead will attend the Carson River Watershed and Clear Creek Watershed meetings, and coordinate activities with the Conservation Crew to implement projects. WEPD staff will evaluate and assist with recommendations on local stormwater issues that are impacting Tribal resources (e.g. Sun Ridge and Topsy Lane areas). WEPD staff will attend NPS workshops and trainings related to implementation. WEPD staff will develop educational activities and hands-on-BMP implementation trainings to Tribal members at events and through articles, fliers and website.

**Environmental Outcomes/Results:** This task will result in building Tribal capacity in NPS management on tribal lands and coordination of WEPD program activities. WEPD will provide educational opportunities to over 100 people on WEPD NPS Program and BMP implementation.

**Output/Deliverables & Target Dates:**

1. Status of activities will be summarized in quarterly reports.
2. A copy of a list of trainings/workshops and copy of meeting calendars will be submitted with quarterly reports.

**Estimated Cost:** \$ 26,758

### **2.3 “On-the-Ground” Planning and Implementation: Stewart Ranch Critical Area Stream Protection and Erosion Control Restoration Project**

**Purpose and Need:** To stabilize and reclaim the surface disturbance area, reduce soil erosion, and control runoff and sediment delivery from critical erosion areas and riparian zones. Including the implementation of NPS BMP measures to address degradation of several spring sites, including meadow and riparian areas near Jack’s Valley Road and Jacks Valley Creek on the Tribe’s Stewart Ranch located within the Carson River Watershed, NV. The project will provide the resources necessary to continue implementing erosion and sediment control measures to protect and to stride towards restoring water quality, watershed condition, and aquatic and riparian habitat on tribal lands as outlined in the Washoe Tribe of Nevada & California’s Non Point Source Assessment and Management Program and implementing the projects under the Carson River Stewardship Plan.

**Goals and objectives:**

**Goals:**

1. Reduce excessive sediment transport.
2. Reduce risk of possible surface and ground water contamination.
3. Decrease non point source impacts through education and outreach.
4. Restore critical area function (meadow and wetlands).
5. Improve hydrological function to riparian areas.

**Project objectives:**

1. Erosion and sediment controls using rock check dams, rock structures, diversions, sediment retention or conveyances.
2. Reduction of excessive sediment transport and long-term potential of improved surface and ground water quality for aquatic and tribal members, visitors, and employees.
3. Provide public outreach opportunities by promoting Tribal BMP education program by providing training, hosting special tours, and giving presentations.
4. Fence riparian corridor along Jacks Valley Creek.

***Approach/Responsibilities:*** The following approach, activities and responsibilities will be completed by WEPD staff.

1. The WEPD Director and Coordinator will assign personnel to completing sections of this task. Assign tasks to WEPD personnel and identify any possible modifications needed in work-plan. Complete time-table coordinating funding efforts. Draft RFPs for contractors to completed engineering designs, inspect projects, and assist with implementation where needed. In addition to completing required tribal contracting steps. Schedule the Tribal Conservation Crew to implement projects. Coordinate NPS Program activities with other WEPD activities. Obtain any necessary permits and have Tribal Historic Preservation Officer assess project area. Administrative assistant will assist with record keeping and any necessary travel, event or training arrangements.
2. Construct implementation projects.
  - Erosion and sediment control measures at 12 headcut areas; installation of BMP rock check dams, diversions, sediment retention and conveyance systems. Utilize bioengineering BMPs on 66 acres to stabilize and improve hydrological function of meadow and wetlands critical habitat area. Work with partners (Douglas County, ITCN Tribal Liaison, Ranch Manager, and NRCS etc.).
  - Streambank stabilization utilizing willow waddles, vegetative treatments, rock, and pole planting along 1.6 miles of Jacks Valley Creek.
  - Install 2,460 of fencing in areas identified on project map.
3. Conduct training of tribal crews and volunteers. Identify materials to be used and make a timeline for collection or purchasing.
4. Provide NPS Program educational opportunities (website, articles, events etc.) and BMP demonstration projects to tribal members. Host tours of project site for Tribal members, local watershed groups and others.
5. Develop and conduct monitoring activities according to Monitoring Plan in coordination with water resource staff under approved QAPP. Utilize GPS/GIS WEPD staff to map areas and document implementation. Establish photo points.

***Environmental Outcome/Results:***

It is anticipated that the projects implementation will result in reduced sediment delivery, reduced delivery of nutrients, increased bank stability, restore hydrological function in meadow and riparian areas, limit livestock impacts to critical areas, and improved NPS Program and BMP implementation knowledge through education and outreach activities. These results will benefit surface and ground water quality and function, in addition to improving aquatic and wildlife habitat in the Carson River Watershed and Jacks Valley tributary.

***Outputs/Deliverables & Target Dates:***

1. Summary of progress of task activities will be submitted with quarterly reports.
2. Final report (acres/feet of vegetation planted, structures installed, estimated yards of sediment controlled, number of willows and cottonwoods planted/established, feet of streambank/slope, feet fenced, number of headcuts addressed and other

BMP measures taken) detailing the success of the projects/activities, and identify future BMP projects needed in area. (12/31/10)

3. Copy of presentations, and educational materials developed during the project period.

*Estimated Cost:* \$ 113,160

### **3.0 MANAGEMENT**

#### **3.1 Organization/Staffing**

WEPD will be the lead Tribal department organizing, implementing, and administering the program. The WEPD Director and Coordinator will oversee the WEPD NPS lead staff member assigned to the project. The NPS lead is responsible for implementation and applicable staff coordination during the field season. Monthly updates will be provided to the Tribal Council. The NPS lead is responsible for coordinating the project quarterly reporting with WEPD staff (conservation crew and Environmental Specialists) including water resource staff for surface water quality monitoring data. The Director is responsible for administrative oversight and being a liaison between tribal and non tribal entities. The Tribal Financial Department will be responsible for submitting required financial status reports to the EPA.

#### **3.2 Implementation and Schedule**

The proposed project will begin on October 1, 2009 and will end on December 31, 2010. Implementation of projects will occur during two field seasons: fall to early winter and spring to summer; the planning of the on-the-ground activities will take place mainly in the first quarter and during the winter. Field work is contingent on weather and soil conditions.

#### **3.3 Environmental Results Past Performance**

The Washoe Environmental Protection Department (WEPD) has had several federal and non-federal agreements within the past three years. Each of the agreements has set guidelines in reporting of tasks and activities accomplished during the reporting period. The work plan is used as a program logic model and management tool that is used throughout a program's life. Using evaluation and the logic model results in effective programming and offers greater learning opportunities, better documentation of outcomes, and shared knowledge of what works and why.

Quarterly reports contain the following information:

- Comparison of actual versus expected progress achieving environmental outcomes and outputs, for each work plan task.
- Explanations for lack of progress (or anticipated lack of progress) if applicable.

- Suggestion for improving grant performance or modifying expectations (including proposed changes to target due dates) if necessary.
- Status of expenditures (cumulative) for reporting period and explanations of cost overruns/ under-runs if applicable and equipment purchases.

Four agreements:

1. EPA Solid Waste Compliance Assurance FY06
2. EPA Resource Conservation FY06
3. EPA Non Point Source 319h since 2000
4. EPA Clean Water Act Section 106 since 1998
5. EPA Compliance Assurance FY07

Currently, the WEPD has over 15 agreements with several agencies including: U.S Forest Service, EPA, Department of Transportation, U.S. Department of Agriculture, and Bureau of Indian Affairs. Examples of outputs and outcomes from previous agreements include the establishment of several law and order codes, completion of a Non Point Source Assessment and Management Plan, draft Water Quality Standards, Unified Watershed Assessment, Open Dump Cleanup Project, and an Integrated Solid Waste Management Plan. The above four agreements listed were implemented successfully by WEPD.

The WEPD also has mandatory monthly reporting requirements for the Tribal Council this assists with keeping the Council informed of activities, issues, and project updates. The reporting has benefited WEPD in gaining Tribal Council support in natural resource protection. The EPA Project Officer for the Tribe's water programs has a strong partnership with WEPD and also is aware of local watershed issues. The long standing partnerships (federal, state, local, and tribal) within the Carson Watershed has also lead to many important efforts to protect the water quality and other natural resources.

#### **4.0 BUDGET NARRATIVE**

A detailed line itemed budget has been developed and is included within this document. The budget defines and outlines cost elements and is the basis for implementing and maintaining the agreement. The itemized budget includes a column indicating the source of matching requirements by the Tribe.

Appendix A contains the budget details that reflect the overall costs for each component of the project. The matching requirements will be met through in-kind contributions.

#### **4.1 Personnel**

Personnel costs include costs for WEPD staff. The cost is associated with the activities under the *Approach/Responsibilities* section of the Work Plan (Appendix A). Estimated time for all staff involved in the program is budgeted.



#### **4.2 Fringe Benefits**

Fringe benefits are required to maintain the staff positions and include statutory payments, health and liability insurance, retirement, and vacation liability. The rates are established through the Tribal policy and must be applied against all labor costs. Rates include FICA, SUTA, SIIS, health insurance, retirement, vacation, and liability insurance.

#### **4.3 Operating Costs/Travel**

Operating Costs includes local travel to project area and related meetings (federal rate is used) and non local travel costs for NPS related trainings and workshops and fuel costs for the heavy equipment.

#### **4.4 Contractual**

Contractual costs includes contractor for any design, surveying, and for large sized rock that are necessary for the project. Rental of large equipment such as an excavator and track-hoe are also included.

#### **4.5 Equipment**

Equipment includes Washoe In-Kind match for use of trailers to haul materials, hand equipment (chain saws, auger etc.), quads and vehicle to transport staff and materials, dump truck, and backhoe.

#### **4.6 Supplies**

Supplies will be needed to support office work and field activities. Supplies for the field will be hand tools, string, gloves and other small purchases that are necessary for on the ground implementation.

#### **4.7 Other**

Other costs includes: Best Management Practice (BMP) materials such as piping, matting, native seed and plants, stakes, separator, etc. Communication and maintenance line item which are costs associated with phones, internet, alarm fees, electricity, water/sewer costs these are program costs not covered under indirect costs. In addition the Tribe's in-kind contribution for screened cobble rock, wood chips, and willow for bank stabilization.

#### **4.8 Total Direct Costs**

Total direct costs are the sum of the costs elements shown above. The amount requested complies with the EPA *FY 2009 Request for Proposals from Indian Tribes and*

***Intertribal Consortia for Nonpoint Source Management Grants Under Clean Water Act (CWA) Section 319***

**4.9 Indirect Costs**

The Tribe is still awaiting approval of the 2008 Indirect Cost Rate and plans on submitting the 2009 proposal in January thus the Indirect Cost was not include in this budget.

**4.10 In-Kind Costs**

The Tribe will provide the required “In-Kind” match and is covered under the “Other and Equipment” line items. General guidelines on appropriate sources of In-kind contributions have been supplied by the EPA and will be followed. The Tribe is expecting approval for the 10% hardship waiver which was utilized for the proposal.

**4.11 Total Program Costs**

Total program costs are the sum of direct, indirect costs and the match.

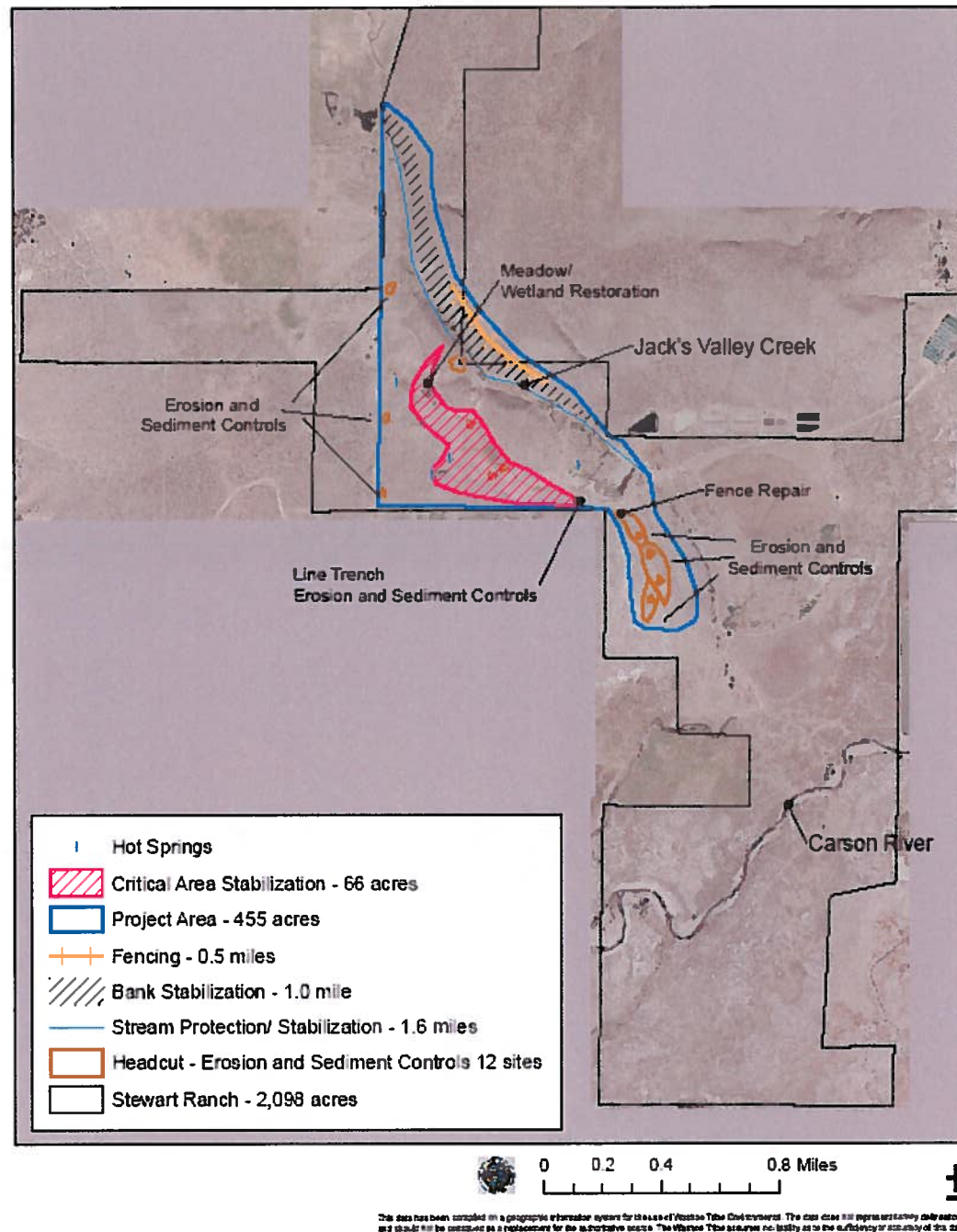
## **MAPS**

**Map 1 EPA NPS Watershed Project FY09, Stewart Ranch**

**Map 2 EPA NPS Watershed Project FY09, Stewart Ranch, Project Area Close up**

Washoe Tribe of Nevada and California  
EPA NPS Watershed Project FY09  
Stewart Ranch  
Douglas County, Nevada

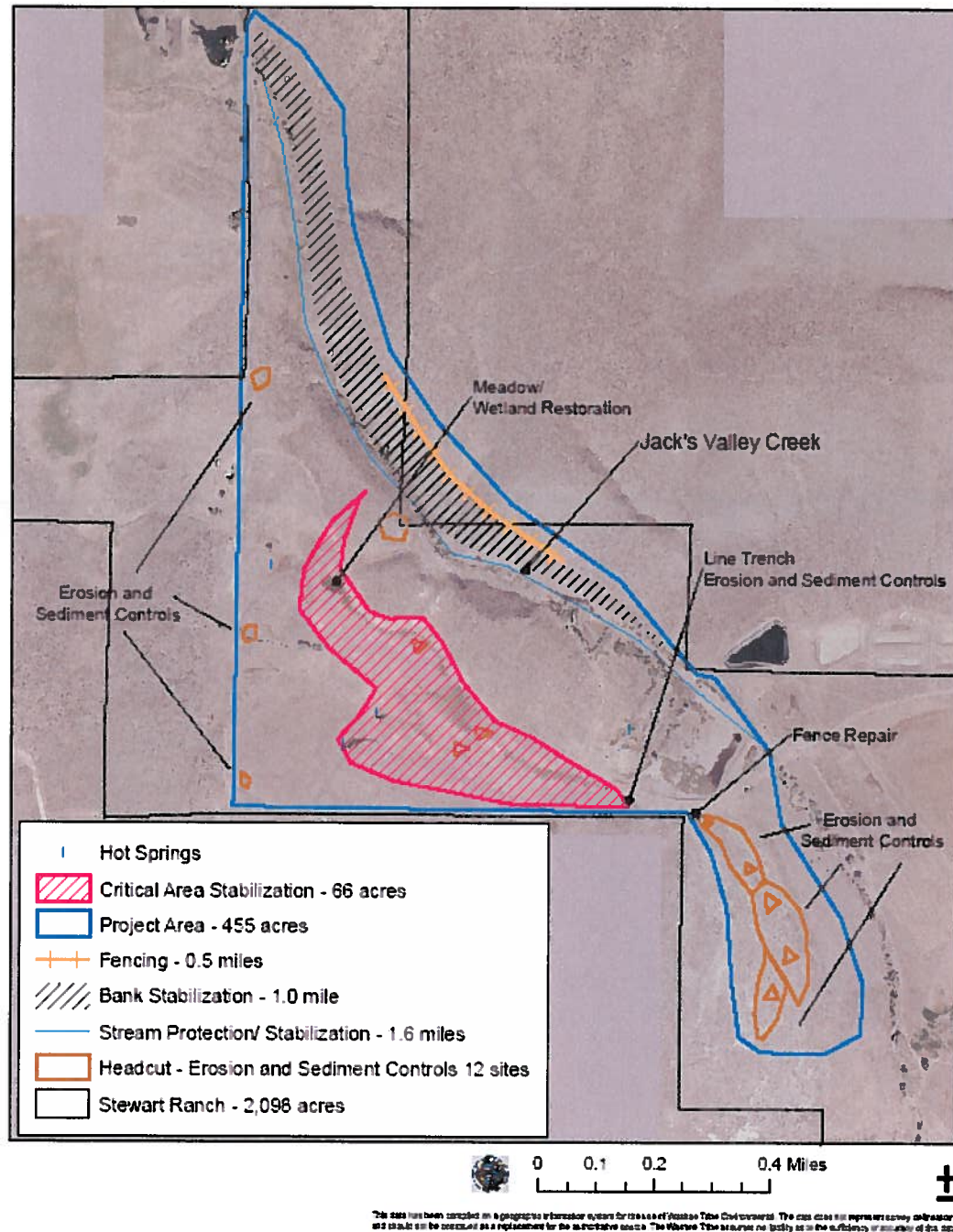
Washoe Tribe of NV and CA  
Environmental Protection Department  
GIS: J. Johnson  
December 2008



**Map 1 EPA NPS Watershed Project FY09, Stewart Ranch**

Washoe Tribe of Nevada and California  
EPA NPS Watershed Project FY09  
Stewart Ranch  
Douglas County, Nevada

Washoe Tribe of NV and CA  
Environmental Protection Department  
GIS: J. Johnson  
December 2003



**Map 2 EPA NPS Watershed Project FY09, Stewart Ranch, Project Area Close up**

## **Tables**

### **Proposed Line Item Budget**

**Proposed NPS Watershed Project Budget FY09**

LINE ITEM	CALCULATION	EPA REQUEST	IN-KIND MATCH
<b>Personnel</b>			
Environmental Department Director	44.25/hour x 200	8,850	
Environmental Coordinator	33.25/hour x 150	4,988	
1 FTE Environmental Specialist II	23.38/hour x 1100	25,718	
Tribal Historic Preservation Officer	36.58/hr x 20		732
Environmental Specialist I	17.57/hour x 500	8,785	
Washoe Conservation Crew	15.06 x 500 x 3	22,590	
Administrative Assistant I	\$19.32/hour x 150	2,898	
<b>Subtotal</b>		<b>73,829</b>	<b>732</b>
<b>Personnel</b>			
<b>Fringe Benefits</b>			
FICA	0.0765	5,648	56
SUTA	0.018	1329	13
SIIS	0.0221	1,632	16
Health Insurance	\$523/mo x 1.5 FTE x 14	7,322	50
Vacation Liability	.06 x sal	4,430	
Liability Insurance	\$40mo x 4 x 14	2,240	
Retirement Plan	.06 sub sal	4,430	
<b>Subtotal Fringe Benefits</b>		<b>27,030</b>	<b>135</b>
<b>Subtotal Personnel &amp; Fringe</b>		<b>100,859</b>	<b>867</b>
<b>Operating Costs</b>			
Local Travel	\$ .585per mile x 3,000	1,755	
Fuel for equipment	150 gals @ \$3.33/gal	500	
Non Local Travel	Workshops and Trainings	2,000	
<b>Subtotal Travel</b>		<b>4,255</b>	
<b>Contractual</b>			
Contractor for engineering design, large rock and other materials needed to complete the projects		24,846	
Equipment	Excavator / Track hoe (\$1,000 day x 10)	10,000	
<b>Subtotal Contractual</b>		<b>34,846</b>	
<b>Equipment</b>			
Washoe Tribe	trailer to haul materials, equipment, and tools @ 25day x 30 days = (\$750), 2 quads and vehicle use for project mobilization 6 wks @ \$350/wk = (\$4,200), dump truck @ \$750 wk x 23wks = (\$2,250), backhoe @ \$1,450/wk x 3wks = (\$4,350) etc.		13,425
<b>Subtotal Equipment</b>			<b>13,425</b>
<b>Supplies</b>			
General Office	\$35.71 x 14mo	500	
Field Supplies	Field tools	1,940	
<b>Subtotal supplies</b>		<b>2,440</b>	
<b>Other</b>			
BMP materials	pipng, matting, native seed and plants, stakes, separator, fencing etc.	6,000	
Washoe Tribe	cobble rock @ \$20 yrd x 80yds = (\$1,600), wood chips @ \$25yrd x 15yds = (\$375), willow @ \$1.00ft x 350ft.		2,375
Communication/Maintenance	phone, internet, cell phone, postage, elect, etc.	1,600	
<b>Subtotal Other</b>		<b>7,600</b>	<b>2,375</b>
<b>Total Direct Costs</b>		<b>150,000</b>	<b>16,667</b>
<b>Total Project Costs</b>	Indirect costs @ 12.02% minus contractual/eqt		
		<b>150,000</b>	<b>16,667</b>

\* In-Kind Reflects Waiver was approved FY08 for 10% match



**APPENDIX A: Work Plan (attached)**

**APPENDIX B: Supporting Documentation (attached)**

**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY09  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2009 THROUGH DECEMBER 31, 2010**

Program Administration Component: DESCRIPTION OF TASKS & ACTIVITIES	DELIVERABLES/ OUTPUTS & TARGET DATES	BEGIN & END DATES	ESTIMATED PERSON/YEARS (2080hrs = 1 YR)	ESTIMATED COST
<p><b>Task 1. Summarize Progress; Program Annual Evaluation/Program Fiscal Admin</b></p> <p><i>Purpose and Need:</i> Progress reports are necessary to evaluate the effectiveness of our NPS Program. The Tribe is required to submit quarterly progress reports to the EPA and jointly evaluate grant accomplishments with the EPA Project Officer. Washoe Environmental Protection Department (WEPD) is required to submit monthly progress reports to the Tribal Council. In addition, as a NPS grantee, the Tribe is required to adhere to administrative requirements identified in 40 CFR Part 31 and OMB Circular A-87.</p> <p><i>Goals and Objectives:</i> To keep the Tribe and EPA informed of WEPD accomplishments, expenditures, challenges, and activities and maintain compliance with administrative requirements.</p> <p><i>Approach/Responsibilities:</i> The WEPD will submit monthly reports to the Tribal Council and quarterly reports to the EPA. The Tribe's fourth quarter "year end" report will assess the progress and accomplishments for the entire year. The EPA Project Officer will review WEPD quarterly reports and will provide a written evaluation "final report" of WEPD progress under the NPS agreement. A draft of the EPA Project Officer's evaluation will be submitted to the Environmental Director for review prior to being finalized and sent to the Tribal Chair. The WEPD will submit information on the Environmental Results Reporting Tool which meets the Government Performance and Results Act, which will assist in assessing program performance.</p> <p>Quarterly reports will contain the following information:</p> <ul style="list-style-type: none"> <li>• A discussion of accomplishments as measured against the work plan commitments and anticipated environmental outputs and outcomes, for each work plan task.</li> <li>• A discussion of the cumulative effectiveness of the work performed under all work plan components.</li> <li>• A discussion of existing and potential problem areas.</li> <li>• Suggestions for improvement, including, where feasible, schedules for making improvements.</li> <li>• Status of expenditures (cumulative) for reporting period and explanations of cost overruns/under-runs if applicable.</li> </ul> <p><i>Environmental Outcomes/Results:</i> This task will keep WEPD and the Tribe in compliance with 40 CFT 31.40, 31.41, 35.507, 35.515, and 35.638 federal reporting requirements and evaluate performance under this agreement.</p>	<ol style="list-style-type: none"> <li>Quarterly Reports to EPA (12/31/09, 3/31/10, 6/30/10 and 9/30/10)</li> <li>Final Report (Annual Report) (12/31/10)</li> <li>Tribal Council Reports are due the first week of every month. Reports are available upon request by EPA Project Officer.</li> <li>The EPA Project Officer can evaluate the ERRT upon request after FY08 3/31/10.</li> <li>Financial Status Report (submitted quarterly by the Tribal Finance Dept. Final FSR will be submitted 90 days after end date 12/31/10).</li> <li>MBE/WBE (10/30/09, 10/30/10 and 90 days after end date 12/31/10)</li> </ol>	<p>10/1/09 – 12/31/10</p> <p>10/1/09 – 12/31/10</p> <p>10/1/09 – 12/31/10</p> <p>10/1/09 – 3/31/10</p> <p>10/1/09 – 12/31/09</p> <p>10/1/09 – 12/31/10</p>	<p>PD 60hrs PC 50hrs ES II 250hrs ES I 50hrs AA 100hrs</p> <p>Total Hours: 510</p>	<p>PD: \$ 2,655 PC: \$ 1,663 ES II: \$5,845 ES I: \$879 AA: \$1,932 F/T/O/I: \$13,775</p> <p>Total: \$ 26,749</p>

**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY09  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2009 THROUGH DECEMBER 31, 2010**

Program Capacity-Building and Coordination Component: DESCRIPTION OF TASKS & ACTIVITIES	DELIVERABLES/ OUTPUTS & TARGET DATES	BEGIN & END DATES	ESTIMATED PERSON/YEARS (2080hrs = 1 YR)	ESTIMATED COST												
<p><b>Task 2. Program Capacity-Building and Coordination</b></p> <p><i>Purpose and Need:</i> To coordinate and schedule WEPD NPS program tasks and activities with other environmental program activities for long and short term planning. In addition to providing educational information to Tribal members on NPS Program and implementation.</p> <p><i>Goals and objectives:</i> To meet the goal of the NPS Program to assist tribes in developing the capacity to manage their own NPS Programs and to develop and implement BMP measures to minimize impacts to water resources. In addition to providing NPS educational information on BMP implementation to protect water resources.</p> <p><i>Approach/Responsibilities:</i></p> <ul style="list-style-type: none"><li>The WEPD Director and Coordinator will schedule and coordinate program activities. The WEPD Director and Coordinator will hire/train staff, hold staff meetings, draft RFPs and develop contracts as necessary. The Tribe's General Council, Administrator, Finance Director, and Secretary/Treasurer will review and make any modifications on contracts.</li><li>The WEPD staff will attend Tribal managers meetings, and other meetings related to NPS. The ES II NPS lead will attend the Carson River Watershed and Clear Creek Watershed meetings, and coordinate activities with the Conservation Crew to implement projects. WEPD staff will evaluate and assist with recommendations on local stormwater issues that are impacting Tribal resources (e.g. Sun Ridge and Topsy Lane areas). WEPD staff will attend NPS workshops and trainings related to implementation. The WEPD Administrative Assistant will assist with arranging, travel, training, and record keeping of program activities.</li><li>The WEPD Director and Coordinator will research and draft environmental grant proposals to assist with meeting the goals and objectives.</li><li>WEPD staff will develop educational activities and hands-on-BMP implementation trainings to Tribal members at events and through articles, fliers and website.</li></ul> <p><i>Environmental Outcomes/Results:</i> This task will result in building Tribal capacity in NPS management on tribal lands and coordination of WEPD program activities. In addition to educating over 100 people on WEPD NPS Program and BMP implementation.</p>	<p>1. Status of activities will be summarized in quarterly reports.</p> <p>2. A copy of a list of trainings/workshops and copy of meeting calendars will be submitted with quarterly reports.</p>	<p>10/1/09 – 12/31/10</p> <p>10/1/09 – 12/31/10</p>	<table><tr><td>PD</td><td>40hrs</td></tr><tr><td>PC</td><td>50hrs</td></tr><tr><td>ES II</td><td>300hrs</td></tr><tr><td>ES I</td><td>50hrs</td></tr><tr><td>AA</td><td>50hrs</td></tr><tr><td colspan="2">Total Hours: 490</td></tr></table>	PD	40hrs	PC	50hrs	ES II	300hrs	ES I	50hrs	AA	50hrs	Total Hours: 490		<p>PD: \$ 1,770 PC: \$1,663 ES II: \$7,715 ES I: \$879 AA: \$956 F/T/O/I: \$13,775</p> <p>Total: \$26,758</p>
PD	40hrs															
PC	50hrs															
ES II	300hrs															
ES I	50hrs															
AA	50hrs															
Total Hours: 490																

\*Program Director = PD  
Program Coordinator = PC  
Environmental Specialist II = ES II  
CC = Conservation Crew

S /F/O/E/I= Supplies/Fringe/Other, Equipment, and Indirect  
AA = Administrative Assistant  
THPO = Tribal Historic Preservation Officer  
Contractor = C

**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY09  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2009 THROUGH DECEMBER 31, 2010**

Implementation of NPS On-the-Ground Projects Component: DESCRIPTION OF TASKS & ACTIVITIES	DELIVERABLES/ OUTPUTS & TARGET DATES	BEGIN & END DATES	ESTIMATED PERSON/YEARS (2080hrs = 1 YR)	ESTIMATED COST
<p><b>Task 3. Stewart Ranch Critical Area Stream Protection and Erosion Control Restoration Project</b></p> <p><i>Purpose and Need:</i> To stabilize and reclaim the surface disturbance area, reduce soil erosion, and control runoff and sediment delivery from critical erosion areas and riparian zones. Including the implementation of NPS BMP measures to address degradation of several spring sites, including meadow and riparian areas near Jack's Valley Road and Jacks Valley Creek on the Tribe's Stewart Ranch located within the Carson River Watershed, NV. The project will provide the resources necessary to continue implementing erosion and sediment control measures to protect and to stride towards restoring water quality, watershed condition, and aquatic and riparian habitat on tribal lands as outlined in the Washoe Tribe of Nevada &amp; California's Non Point Source Assessment and Management Program (2000). The Tribe's NPS Management Program includes the 9 Components of a Watershed Based Plan and is implementing the projects under the Carson River Stewardship Plan (2007) reviewed by Region 9 EPA staff for the 9 Components of a Watershed Plan.</p> <p><i>Goals and objectives:</i></p> <p><u>Goals:</u></p> <ol style="list-style-type: none"> <li>1. Reduce excessive sediment transport.</li> <li>2. Reduce risk of possible surface and ground water contamination.</li> <li>3. Decrease non point source impacts through education and outreach.</li> <li>4. Restore critical area function (meadow and wetlands).</li> <li>5. Improve hydrological function to riparian areas.</li> </ol> <p><i>Project objectives:</i></p> <ol style="list-style-type: none"> <li>1. Erosion and sediment controls using structures, diversions, sediment retention or conveyances.</li> <li>2. Reduction of excessive sediment transport and long-term potential of improved surface and ground water quality for aquatic and tribal members, visitors, and employees.</li> <li>3. Provide public outreach opportunities by promoting Tribal BMP education program by providing training, hosting special tours, and giving presentations.</li> <li>4. Complete fencing riparian corridor along Jacks Valley Creek.</li> </ol>	<ol style="list-style-type: none"> <li>1. Summary of progress of task activities will be submitted with quarterly reports.</li> <li>2. Final report (acres/feet of vegetation planted, structures installed, estimated sediment controlled, number of willows and cottonwoods planted/established, feet of streambank/slope, feet fenced, number of headcuts addressed and other BMP measures taken) detailing the success of the projects/activities, and identify future BMP projects needed in area. (12/31/10)</li> <li>3. Copy of presentations, and educational materials developed during the project period.</li> </ol>	<p>10/1/09 – 12/31/10</p> <p>10/1/09 – 12/31/10</p> <p>10/1/09 – 12/31/10</p>	<p>PD 80hrs PC 50hrs ES II 550hrs ES I 400hrs CC 3x 500hrs THPO 20hrs</p> <p>Total Hours: 2,600</p>	<p>PD: \$ 3,540 PC: \$ 1,663 ES II: \$12,859 ES I: \$7,028 CC: \$22,590 THPO: \$(867) S /F//O/E/I: \$13,967 C : \$34,846 E/O: \$15,800</p> <p>Total: \$113,160</p>

\*Program Director = PD  
Program Coordinator = PC  
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Contractor = C

**WASHOE TRIBE OF NEVADA & CALIFORNIA  
EPA TRIBAL NONPOINT SOURCE PROGRAM FY09  
PROPOSED WATERSHED WORKPLAN IMPLEMENTATION OF WATERSHED-BASED PLAN  
OCTOBER 1, 2009 THROUGH DECEMBER 31, 2010**

**Approach/Responsibilities:** The following approach, activities and responsibilities will be completed by WEPD staff.

1. The WEPD Director and Coordinator will assign personnel to completing sections of this task. Assign tasks to WEPD personnel and identify any possible modifications needed in work-plan. Complete time-table coordinating funding efforts. Draft RFPs for contractors to completed engineering designs, inspect projects, and assist with implementation where needed. In addition to completing required tribal contracting steps. Schedule the Tribal Conservation Crew to implement projects. Coordinate NPS Program activities with other WEPD activities. Obtain any necessary permits and have Tribal Historic Preservation Officer complete ground surveys. Administrative assistant will assist with record keeping and any necessary travel, supply ordering, event or training arrangements.
2. Construct implementation projects. 1. Erosion and sediment control measures in 12 headcut areas and installation of BMP structures, rock checks, diversions, sediment retention and conveyance. Utilize sediment control and erosion BMPs for soil stabilization in meadow and riparian areas. Work with partners (Douglas County, ITCN Tribal Liaison, Ranch Manager, and NRCS etc.). 2. Place in-stream structures, willow waddles, and vegetative plantings for bank stability Jacks Valley Creek in project area.
3. Conduct training of tribal crews and volunteers. Identify materials to be used and make a timeline for collection or purchasing.
4. Provide NPS Program educational opportunities (website, articles, events etc.) and BMP demonstration projects to tribal members. Host tours of project site for Tribal members, local watershed groups and others.
5. Develop and conduct monitoring activities according to Monitoring Plan with water resource staff. Utilize GPS/GIS staff to map areas and document implementation.

**Environmental Outcomes/Result:**

It is anticipated that the projects implementation will result in reduced sediment delivery, reduced delivery of nutrients, increased bank stability, restore hydrological function in meadow and riparian areas, limit livestock impacts to critical areas, and improved NPS Program and BMP implementation knowledge through education and outreach activities. These results will benefit surface and ground water quality and function, in addition to improving aquatic and wildlife habitat in the Carson River Watershed and Jacks Valley tributary.

Total: 150,000  
InKind: 16,667

Project:  
166,667

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Washoe Tribe of Nevada and California  
EPA NPS 319h FY09 Comp.  
Budget

LINE ITEM	CALCULATION	EPA REQUEST	IN-KIND MATCH
<b>Personnel</b>			
Environmental Department Director	44.25/hour x 200	8,850	
Environmental Coordinator	33.25/hour x 150	4,988	
1 FTE Environmental Specialist II	23.38/hour x 1100	25,718	
Tribal Historic Preservation Officer	36.58/hr x 20		732
Environmental Specialist I	17.57/hour x 500	8,785	
Washoe Conservation Crew	15.06 x 500 x 3	22,590	
Administrative Assistant I	\$19.32/hour x 150	2,898	
<b>Subtotal Personnel</b>		<b>73,829</b>	<b>732</b>
<b>Fringe Benefits</b>			
FICA	0.0765	5,648	56
SUTA	0.018	1329	13
SIIS	0.0221	1,632	16
Health Insurance	\$523/mo x 1.5 FTE x 14	7,322	50
Vacation Liability	.06 x sal	4,430	
Liability Insurance	\$40mo x 4 x 14	2,240	
Retirement Plan	.06 sub sal	4,430	
<b>Subtotal Fringe Benefits</b>		<b>27,030</b>	<b>135</b>
<b>Subtotal Personnel &amp; Fringe</b>		<b>100,859</b>	<b>867</b>
<b>Travel</b>			
Local Travel	\$ .585per mile x 3,000	1,755	
Fuel for equipment	150 gals @ \$3.33/gal	500	
Non Local Travel	Workshops and Trainings	2,000	
<b>Subtotal Travel</b>		<b>4,255</b>	
<b>Contractual</b>			
Contractor for engineering design, large rock and other materials needed to complete the projects		11,005	
Equipment	Excavator / Track hoe (\$1,000 day x 10)	10,000	
<b>Subtotal Contractual</b>		<b>21,005</b>	
<b>Equipment</b>			
Washoe Tribe	trailer to haul materials, equipment, and tools @ 25day x 30 days = (\$750), 2 quads and vehicle use for project mobilization 6 wks @ \$350/wk = (\$4,200), dump truck @ \$750 wk x 3wks = (\$2,250), backhoe @ \$1,450/wk x 3wks = (\$4,350) etc.		13,425
<b>Subtotal Equipment</b>			<b>13,425</b>
<b>Supplies</b>			
General Office	\$35.71 x 14mo	500	
Field Supplies	Field tools	1,909	
<b>Subtotal supplies</b>		<b>2,409</b>	
<b>Other</b>			
BMP materials	pipng, matting, native seed and plants, stakes, separator etc.	6,000	
Washoe Tribe	cobble rock @ \$20 yrd x 80yds = (\$1,600), wood chips @ \$25yrd x 15yds = (\$375), willow @ \$1.00ft x 350ft.		2,375
Communication/Maintenance	phone, internet, cell phone, postage, elect, etc.	1,600	
<b>Subtotal Other</b>		<b>7,600</b>	<b>2,375</b>
<b>Total Direct Costs</b>		<b>136,128</b>	<b>16,667</b>
Indirect costs @ 12.05% minus contractual and equipment		13,872	
<b>Total Project Costs</b>		<b>150,000</b>	<b>16,667</b>

\* In-Kind Reflects Waiver was approved  
FY08 for 10% match

